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## FIELD CHANGE ORDER

**Service**

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**Issued by** : DMC Hamburg  
**Released** : G. Kramm  
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**signed**

**Reference No.** : 00 135 008  
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**Product Group** : 742

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## ***OPTIMUS 50 / 65 / 80 RAD***

### **APPLIES TO:**

All OPTIMUS 50/65/80 RAD generators with Rotor Control high speed

9890 000 02001 in combination with 9890 000 02211

Serial numbers of generators concerned

940002

940009

940104 – 940207

950005 – 950666

960001 – 960093

961001 – 961047

962999

### **TITLE:**

Replacement of OPTIMUS Rotor Control HS  
9890 000 02211 - 4512 104 33791/2

### **LIST OF PAGES & DRAWINGS:**

1...3 (99.0)

## **INTRODUCTION:**

- Symptom** : Field replacement of Rotor Control HS unit 9890 000 02211 (4512 104 33791/2)
- Cause** : The first type of Rotor Control HS unit (4512 104 3379x) was delivered without all possible interference suppression improvements. The interferences from Rotor Control HS unit can cause different generator errors up to generator hang ups without obvious reasons.
- Remedy** : Replacement of the Rotor Control HS unit.

## **MANPOWER / TIME TO COMPLETE:**

2.5 hours 1 engineer

## **TOOLS & TEST EQUIPMENT:**

Standard tool set  
Service PC with XRGScope  
Inductivity measuring device 4512 101 77141 or obtain locally

## **MODIFICATION KIT / PARTS REQUIRED:**

For all generators mentioned under APPLIES TO the following parts can be ordered at SL Hamburg.

Rotor Control HS replacement kit                      4512 104 91191

comprising

- |                                     |                |
|-------------------------------------|----------------|
| - Rotor Control unit                | 4512 104 71461 |
| including Software Rotor Control HS | 4512 113 22322 |
| Instruction manual                  | 4512 984 22421 |
| This FCO                            | 4512 980 57911 |

### ***Note***

*The replacement kit will be available Free Of Charge till the end of April 2000 at the spare part centre in Hamburg.*

## **PROCEDURE:**

- Measure the stator inductivity
- Download Error Trace index table
- Remove the installed Rotor Control unit
- Install the new Rotor Control unit
- Load up the Rotor Control firmware data
- Check all applicable Exposure functions  
  Procedure is described detailed in instruction manual delivered with the modification kit.
- Feedback info via Fax and/or E-mail

## **PARTS DISPOSAL:**

All parts are to be disposed of in a safe way in accordance with local Safety Regulations.

## **DOCUMENTATION:**

File this FCO and the instruction manual in binder:  
OPTIMUS under Tab 8 – Service Information

# FCO ACTION NOTIFICATION REPORT

## For local SSD use only; do not return to PMG.

TITLE : <i>Replacement of OPTIMUS Rotor Control HS</i>	
CLASSIFICATION : <i>Action for Performance</i>	FCO REF. NO.: <i>00 135 008</i>
APPLIES TO : <i>All OPTIMUS RAD generators in combination with Rotor Control 9890 000 02211</i>	

HOSPITAL / ADDRESS :													
LOCATION / FW SITE NO.:	SALES ORDER NO. / OA NO.:												
PRODUCT NUMBER :	<table border="1" style="display: inline-table; text-align: center; width: 150px;"> <tr> <td>9</td><td>8</td><td>9</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>2</td><td>0</td><td>0</td><td>1</td> </tr> </table>	9	8	9	0	0	0	0	0	2	0	0	1
9	8	9	0	0	0	0	0	2	0	0	1		
UNIT SERIAL NUMBER :	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>												

<b>ACTION ON THIS UNIT WAS:</b> (select one)	<b>JOB NO. / SERVICE INCIDENT NO.:</b>
<input type="checkbox"/> Completed per instruction on _____ DATE _____	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>
<input type="checkbox"/> Completed by the factory prior to delivery.	
<input type="checkbox"/> Not completed as this unit is not affected per instruction because: (state reason) _____	
<input type="checkbox"/> Not completed because customer has unit in storage. Required parts & instructions received by the customer.	

<b>CUSTOMER ACKNOWLEDGEMENT</b> (Required for <b>MANDATORY ACTIONS</b> only). The <b>REASON and PURPOSE</b> of this modification have been explained to me.	
_____ CUSTOMER NAME (PLEASE PRINT)	_____ TITLE
_____ CUSTOMER SIGNATURE	_____ DATE

BRANCH REGION / DEALER : _____	SERVICE UNIT / SERVICE AREA NO.: _____
_____ SIGNATURE CUSTOMER SUPPORT ENGINEER	_____ DATE
_____ SIGNATURE CUSTOMER SUPPORT MANAGER	<b>MAIL TO : SSD Customer Support Manager</b>

**FCO 00 135 008 Replacement kit delivery plan****Kit No. 4512 104 91191**

		1999					
	kits required	Jul.	Aug.	Sept.	Oct.	Nov.	Sum
Australia	21		10		11		21
Belgium	2		2				2
Brasil	2					2	2
Canada	7		7				7
Chile	4					4	4
China	1				1		1
Danmark	4				4		4
Finland	3				3		3
France	13	6		7			13
Germany	176	35	35	35	35	36	176
Greece	3				3		3
Hongkong	4				4		4
India	2					2	2
Israel	9	5		4			9
Italy	3		3				3
Japan	1				1		1
Jordan	4				4		4
Kenia	1					1	1
Malaysia	5			5			5
Malta	1				1		1
Netherlands	49	10	10	10	10	9	49
New Zealand	3		3				3
Norway	3	3					3
Austria	10	5		5			10
Portugal	5					5	5
Republik of Korea	5					5	5
Saudi Arabia	1			1			1
Switzerland	15		10			5	15
Singapore	6					6	6
Spain	2	2					2
Thailand	4	4					4
Turkey	1			1			1
United Arab Emirates	2			2			2
United Kingdom	30	10		10		10	30
USA	89	20	20	20	20	9	89
Sum	491	100	100	100	97	94	491